

INDAC



International Drosophila Array Consortium.



Established late 2002 to generate communal array resources.



Initial focus on amplicon arrays.



Brian & Justin- FlyGEM.



Latterly, move towards long oligo arrays.

Oligos

-  *1st design with OligoArraySelector + Mfold.*
-  *600 oligo test sets distributed.*
 -  *Lesson - coordination and experimental procedures must be very rigourously defined in advance.*
-  *Test slides via Nimblegen, including mutant oligos.*
 -  *Analysis underway.*
-  *Current design:*
 -  *OligoArray2.*
 -  *Cross hybridisation (+ and - strands).*
 -  *Nearest Neighbour Tm (Santa-Lucia et al).*
 -  *Mfold.*

Status

 ~15,000 *gene-specific oligos*.

 *Set of control sequences:*

 *Arabidopsis spikes, full-length degradation (Affy).*

 *20 groups/facilities signed up for aliquots.*

 *Large custom synthesis considerably reduces costs.*

 *Order before Xmas.*

Tiling Path array



1kb tiling path of entire euchromatic genome.



Re-amplification tags with additional utility.



Pilot 3Mb underway.



Whole genome design almost complete



Joint USA (NIH) and UK (BBSRC) funded.

Future?



Comparative analysis (inter-lab variation).



Expansion to encompass every exon (~56K).



Splice junctions.